Executive Summary

Joint Total Asset Visibility (JTAV) is the capability that provides commanders-in-chief, the military services, and Department of Defense (DoD) components with timely and accurate information on the location; movement; status; and identity of units, personnel, equipment, and supplies. The JTAV capability is created by fusing data retrieved from DoD legacy systems. The JTAV goal is to provide a capability that, in harmony with other DoD initiatives, facilitates improvements in the performance of DoD logistics practices. This plan is a guide for understanding JTAV's evolution, capabilities, and implementation strategies. It incorporates and supports the goals and requirements of DoD plans and initiatives, including the *DoD Logistics Strategic Plan* and the focused logistics concept of the Joint Chiefs of Staff's future warfighting concept, *Joint Vision 2010*. This plan also describes the subordinate JTAV plans that support JTAV development, fielding, testing, and interoperability as well as the milestones for JTAV's modernization and sustainment into the 21st century.

In every troop deployment this century, DoD has been plagued by a major difficulty—the inability to *see* assets as they flow into a theater and are in storage. This situation has led to direct and significant degradation in operational readiness. When assets in the pipeline are not visible, they are difficult to manage. Property is lost, customers submit duplicate requisitions, superfluous materiel chokes the transportation system, and the cycle continues. Assets at the retail level that are not visible and, therefore, not available for redistribution further compound the degradation of operational readiness. JTAV will help DoD break the cycle. Materiel that is visible in the pipeline will not be lost, customers will gain a renewed faith in the logistics system and refrain from submitting redundant requisitions, and the transportation system will not be strangled by excess property. Logistics support will be more timely, efficient, and effective.

An initial JTAV capability has been fielded to the U.S. European Command where it is being used to track the flow of materiel for peacekeeping operations in Bosnia and eastern Europe. Initial JTAV capabilities have also been fielded to the U.S. Atlantic Command, U.S. Central Command, U.S. Pacific Command, and U.S. Forces Korea. Declining resources and increasing operational commitments around the world present serious challenges for DoD. The challenges facing the DoD

logistics community include maintaining and improving joint readiness, reducing costs and inventories, improving productivity, and maintaining accountability of DoD assets. The following four strategies address the challenges from a JTAV perspective:

◆ *Strategy I. Continue to develop and field the JTAV capability incrementally by taking advantage of emerging technologies.* Source data will be obtained through automated information systems that support functional areas and will be accessed incrementally. Fielding schedules will be phased to allow for rapid prototyping, customer feedback, and testing during each deployment.

◆ *Strategy II. Integrate the JTAV capability into the overall Global Combat Support System (GCSS) and other DoD data-sharing initiatives.* The JTAV capability will be a key component of the overall GCSS. JTAV will provide the capability to access distributed data across DoD, including data on nontraditional supply assets, such as program manager materiel, unit-level operations and maintenance assets, and contractor or vendor-managed materiel. JTAV development will be used to define requirements for the DoD shared data environment necessary to achieve GCSS.

◆ *Strategy III. Provide tailored customer support.* JTAV's incremental building block design and adherence to DoD and commercial standards allow JTAV to be tailored to meet a variety of customer needs. To support the customers, the JTAV capability can be used alone or as a data feed to customer-developed applications. Additionally, JTAV will support access to data for decision support applications.

◆ *Strategy IV. Institute a continual quality improvement program.* In today's dynamic environment a key to success is to modernize by implementing change effectively. The JTAV Office will institute a program that emphasizes data quality and technology insertion.

A critical component of this strategic plan is the JTAV "to be" system architecture. The "to be" system architecture is characterized by global access to shared data at the source via a standard definition of the data and a standard access mechanism. A key element in this architecture is a mediator that provides a standard data environment definition, directs queries to the proper location, and translates data.

JTAV provides accurate and timely logistics and personnel data throughout the department. It is compliant with all major DoD data-sharing initiatives, is accessible via Web-based technology, and integrates useful emerging technologies. By maintaining a quality customer support focus, JTAV provides the tools to improve decision-making and enhance functional, operational, and business processes throughout DoD.